

PATENT ABSTRACTS OF JAPAN

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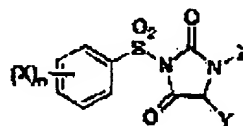
(54) HYDANTOIN DERIVATIVE AND ITS USE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a new hydantoin derivative expressed by a specific formula and useful as a preventing and treating agent for cardiac and circulatory diseases caused by abnormal accentuation of chymase inhibitor and angiotensin II production.

SOLUTION: This derivative is expressed by formula I [X is a halogen, a 1-4C alkyl, an alkoxy or a (substituted) carboxyl; (n) is 0 or 1-5; Y is formula II [R1 is H, a halogen, hydroxy or a 1-4C alkoxy; (m) is 0, 1 or 2], etc.; Z is H, a 1-4C alkyl, a 7-10C aralkyl or a 2-5C alkyloxycarbonyl], e.g. (5S)-5-benzyl-3-(4-chlorobenzenesulfonyl)-imidazolidine-2,4-dione.

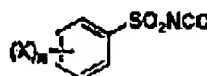
Furthermore, the compound of formula I is obtained by reacting, e.g. a benzenesulfonyl isocyanate derivative of formula III with an amino acid derivative of formula IV and cyclizing the resultant imidazolidine ring using ethyl chlorocarbonate in the presence of a base such as triethylamine.



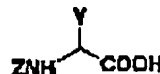
I



II



III



IV

LEGAL STATUS

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